

Please amend the claims as follows:

- 1.. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)

12. (Currently Amended) A method of analyzing a human breathing air sample derived from a user air source in order to determine the user air source air sample purity for ~~purity~~ without the necessity of transporting the breathing air sample to a remote qualified third party breathing air testing facility and determining if said the air sample passes the human breathing air purity standards, the method comprising the steps of:

providing a user air source for generating compressed human ~~of~~ breathing air, said user air source used to supply ~~seuba~~ SCUBA tanks and emergency air tanks at a user facility;

providing an a human breathing air collection tank at said user facility;

collecting an air sample from said user air source ~~breathing air source~~ in said air collection tank at said user facility;

collecting a said breathing air sample within a breathing air analysis module from said air collection tank ~~situated at a breathing air producer~~ said user facility ~~that provides a source of compressed human breathing air~~;

determining breathing air purity characteristics of said human breathing air sample received within said breathing air analysis module from said air collection tank at said user facility;

converting said breathing air purity characteristics into computer readable data; ~~and~~

transmitting through an on-line computer network said computer readable data representing the said breathing air purity characteristics of said breathing air sample from said user air source at said user facility to a qualified server for certification of use situated at a remote site and electrically coupled to said breathing air analysis module, said server maintained by a qualified third party air purity certification site including a receiver for receiving said computer readable data via a data transmitter, said server containing a data storage element for storing said computer readable data;

determining if said breathing air sample passes certain gas purity requirements; and

informing said breathing air ~~producer~~ user facility having said user air source if said breathing air sample has passed said breathing air purity requirements using an on-line response to a computer located at said breathing air producer user facility.

13. (Cancelled)

14. (Previously Amended) The method of claim 12, wherein said data transmission is via a wireless transmission.

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Previously Amended) The method of claim 12, wherein said remote site is an accredited breathing air purity testing facility.

19. (Previously Amended) The method of claim 12, further comprising the steps of storing and printing results of said breathing air sample analysis.

20. (Previously Amended) The method of claim 12, including a means for determining if said breathing air sample passes certain breathing air purity requirements comprising the step of comparing said computer-readable data related to said breathing air purity characteristics to a stored set of pre-determined breathing air purity standards.